

## INFORMATION DISCLOSURE CITATION

## DOCKET NUMBER

## APPLICATION NUMBER

50623.55

09/967,186

## APPLICANTS:

Jeffrey T. Ellis et al.

## FILING DATE

September 28, 2001

## EXAMINER

Unassigned

## GROUP ART UNIT

Unassigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JF	A	4,801,538	1/31/89	Hanada et al.	435	25	
	B	4,966,148	10/30/90	Millar	128	637	
	C	5,124,130	6/23/92	Costello et al.	422	82.06	
	D	5,176,882	1/5/93	Gray et al.	422	82.07	
	E	5,434,085	7/18/95	Capomacchia et al.	436	116	
	F	5,582,170	12/10/96	Soller	128	634	
	G	5,603,820	2/18/97	Malinski et al.	205	781	
	H	5,617,870	4/8/97	Hastings et al.	128	692	
	I	5,776,100	7/7/98	Forman	604	102	
	J	5,788,647	8/4/98	Eggers	600	526	
	K	5,806,517	9/15/98	Gerhardt et al.	128	635	
	L	5,852,058	12/22/98	Cooke et al.	514	564	
	M	5,860,938	1/19/99	Lafontaine et al.	600	585	
	N	5,885,842	3/23/99	Lai	436	116	
	O	5,935,075	8/10/99	Casscells et al.	600	474	
	P	5,980,705	11/9/99	Allen et al.	204	291	
	Q	6,002,817	12/14/99	Kopelman et al.	385	12	
Jr	R	6,100,096	8/8/00	Bollinger et al.	436	116	

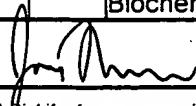
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JF	S	Bennett et al., <i>Conductive Polymeric Porphyrin Films: Application in the Electrocatalytic Oxidation of Hydrazine</i> , Chem. Mater. 1991, 3, pp. 490-495.
	T	Heikkila et al., <i>A Sensitive Assay for Superoxide Dismutase Based on the Autoxidation of 6-Hydroxydopamine</i> , Analytical Biochemistry 75, 1976, pp. 356-362.
	U	Hishikawa et al., <i>Pulsatile Stretch Stimulates Superoxide Production in Human Aortic Endothelial Cells</i> , Circulation, 1997, 96:3610-3616.
	V	Niebauer et al., <i>Local L-Arginine Delivery After Balloon Angioplasty Reduces Monocyte Binding and Induces Apoptosis</i> , Circulation, 1999, 100:1830-1835.
	W	Oemar et al., <i>Reduced Endothelial Nitric Oxide Synthase Expression and Production in Human Atherosclerosis</i> , Circulation, 1998, 97:2494-2498.
JF	X	van der Loo et al., <i>Inactivation of Nitric Oxide by Superoxide is a Mechanism Leading to Age-Related Endothelial Dysfunction</i> , JACC February 2000, p. 277A (Abstract).

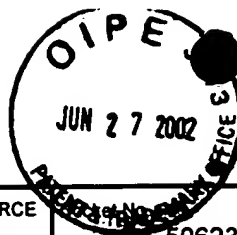
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<b>FORM PTO-1449 (Modified)</b>		US DEPARTMENT OF COMMERCE US Patent and Trademark Office		Docket No. <b>50623.55</b>	Application No. <b>09/967,186</b>
<b>INFORMATION DISCLOSURE CITATION</b> in an Application (Use several sheets if necessary)				Applicant <b>Jeffrey T. Ellis</b>	
				Filing Date <b>September 28, 2001</b>	Group Art Unit <b>Unknown</b>
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initial	Ref. No.	Document Number	Date of Patent	Name	Filing Date If Appropriate
	A1				
<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initial	Ref. No.	Document Number	Date of Publication	Country	Class Subclass Translation Yes No
	B1				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, etc.)					
JF	C1	Barker et al., <i>Ratiometric And Fluorescence-Lifetime-Based Biosensors Incorporating Cytochrome C' And The Detection Of Extra- And Intracellular Macrophage Nitric Oxide</i> , Anal. Chem., May 1, 1999, 71:1767-1772.			
	C2	Barker et al., <i>Development And Cellular Applications Of Fiber Optic Nitric Oxide Sensors Based On A Gold-Adsorbed Fluorophore</i> , Anal. Chem., Dec. 1, 1998, 70:4902-4906.			
	C3	Barker et al., <i>Fiber-Optic Nitric Oxide-Selective Biosensors And Nanosensors</i> , Anal. Chem., March 1, 1998, 70:971-976.			
	C4	Barker et al., <i>Cellular Applications Of A Sensitive And Selective Fiber-Optic Nitric Oxide Biosensor Based On A Dye-Labeled Heme Domain Of Soluble Guanylate Cyclase</i> , Anal. Chem., June 1, 1999, 71:2071-2075.			
	C5	Bedioui et al., <i>Practical Aspects And Methodological Approaches To Achieve Electrochemical Detection Of Submicromolar NO In Biological Systems</i> , Biosens. & Bioelectron., 1998, 13:227-230.			
	C6	Bedioui et al., <i>Elaboration And Use Of Nickel Planar Macrocyclic Complex-Based Sensors For The Direct Electrochemical Measurement Of Nitric Oxide In Biological Media</i> , Biosens. & Bioelectron., 1997, 12:205-212.			
	C7	Brovkovich et al., <i>Direct Electrochemical Measurement Of Nitric Oxide In Vascular Endothelium</i> , J. Pharm. Biomed. Anal., 1999, 19:135-143.			
	C8	Fiaccabrino et al., <i>Electrochemical Characterization Of Thin-Film Carbon Interdigitated Electrode Arrays</i> , Analytica Chimica Acta, 1996, 326:155-161.			
	C9	Lisdat et al., <i>Superoxide Dismutase Activity Measurement Using Cytochrome c-Modified Electrode</i> , April 1, 1999, Anal. Chem. 71:1359-1365.			
JF	C10	Malinski et al., <i>Diffusion Of Nitric Oxide In The Aorta Wall Monitored In Situ By Porphyrinic Microsensors</i> , Biochem. Biophys. Res. Commun., June 10, 1993, 193:1076-1082.			
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<b>FORM PTO-1449 (Modified)</b> Approved for use through 10/31/2002		US DEPARTMENT OF COMMERCE US Patent and Trademark Office		Patent No. 50623.55	Application No. 09/967,186
<b>INFORMATION DISCLOSURE CITATION</b> in an Application (Use several sheets if necessary)				Applicant Jeffrey T. Ellis	
				Filing Date September 28, 2001	Group Art Unit Unknown
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, etc.)					
J4	C11	Pontie et al., <i>Improvement In The Performance Of A Nickel Complex-Based Electrochemical Sensor For The Detection Of Nitric Oxide In Solution</i> , Sensors and Actuators, 1999, B56:1-5.			
	C12	Privat et al., <i>Direct Electrochemical Characterization Of Superoxide Anion Production And Its Reactivity Toward Nitric Oxide In Solution</i> , Journal of Electroanalytical Chemistry, 1997, 436:261-265.			
	C13	Privat et al., <i>Superoxide Release From Interleukin-1B-Stimulated Human Vascular Cells: In Situ Electrochemical Measurement</i> , Free Radic. Biol. Med., 1999, 27:554-559.			
	C14	Scheller et al., <i>Cytochrome C Based Superoxide Sensor For In Vivo Application</i> , Electroanalysis, 1999, 11:703-706.			
J4	C15	Tammeveski et al., <i>Superoxide Electrode Based On Covalently Immobilized Cytochrome C: Modelling Studies</i> , Free Radic. Biol. Med., 1998, 25:973-978.			
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US DEPARTMENT OF COMMERCE  
US Patent and Trademark Office

Docket No.

50623.55

Application No.

09/967,186

**INFORMATION DISCLOSURE CITATION**  
**in an Application**

(Use several sheets if necessary)

Applicant

Jeffrey T. Ellis

Filing Date

September 28, 2001

Group Art Unit

3763

**U.S. PATENT DOCUMENTS**

Examiner Initial	Ref. No.	Document Number	Date of Patent	Name	Class	Subclass	Filing Date if Appropriate
	A1						

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Ref. No.	Document Number	Date of Publication	Country	Class	Subclass	Translation
							Yes No
	B1						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

JP	C1	Ehrenreich-Forster et al., <i>Biosensor For In-Vivo Measurement of Superoxide Radicals</i> , Biospektrum, 1997, 4:34-37 (English Translation).
JP	C2	Malinski et al., <i>Direct Measurement Of Nitric Oxide In The Cardiovascular System</i> , Physiol. Res., 1996, 45:279-284.

EXAMINER

DATE CONSIDERED

5/23/03

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